TATES PATENT AND TRADEMARK OFFICE UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 03/23/2004 10/807,091 Darryl A. Bourgoyne H055010.0035US1 3844 **EXAMINER** 7590 11/03/2006 Richard D. Fladung DANG, HOANG C STRASBURGER & PRICE, LLP ART UNIT PAPER NUMBER 1404 McKinney, Suite 2200 Houston, TX 77010 3672

DATE MAILED: 11/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/807,091	BOURGOYNE ET AL.
Office Action Summary	Examiner	Art Unit
	Hoang Dang	3672
The MAILING DATE of this communication ap Period for Reply		rith the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING E Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period Fallure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI 136(a). In no event, however, may a I will apply and will expire SIX (6) MO! the cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communication. RANDONED (35.U.S.C. 8.133)
Status		
1) Responsive to communication(s) filed on 30 a	lune 2006.	
	s action is non-final.	·
3) Since this application is in condition for allows	ance except for formal mat	ters, prosecution as to the merits is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.[D. 11, 453 O.G. 213.
Disposition of Claims		
4) Claim(s) 43,44,46,48-54,56-61,64-68,70-78 a	nd 88-98 is/are pending in	the application.
4a) Of the above claim(s) is/are withdra		
5) Claim(s) is/are allowed.		
6) Claim(s) 43,44,46,48-54,56-61,64-68, 70-78	and 88-98 is/are rejected.	
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/	or election requirement.	
Application Papers		
9) The specification is objected to by the Examine	er.	
10)⊠ The drawing(s) filed on 30 June 2006 is/are: a	a) accepted or b) ⊠ obje	ected to by the Examiner.
Applicant may not request that any objection to the	drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correct	ation is required if the drawing	(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the E	xaminer. Note the attache	d Office Action or form PTO-152.
Priority under 35 U.S.C. § 119	•	•
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).
1. Certified copies of the priority documen	ts have been received.	
2. Certified copies of the priority documen		Application No
3. Copies of the certified copies of the price	ority documents have been	received in this National Stage
application from the International Burea	• • • • • • • • • • • • • • • • • • • •	•
* See the attached detailed Office action for a list	of the certified copies not	received.
Attachment(s)		
1) Notice of References Cited (PTO-892)		Summary (PTO-413)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 8/25/2006		s)/Mail Date nformal Patent Application

U.S. Patent and Trademark Office PTOL-326 (Rev. 08-06)

Office Action Summary

Part of Paper No./Mail Date 20061015

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on June 30, 2006 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claim 90 is rejected under 35 U.S.C. 102(b) as being clearly anticipated by Harrison (US 3,638,721) (see figure 3) or Williams et al (US 5,662,181) (see figure 3).

It is noted that a preamble, an intended use, or an "adapted" phrase is given no patentable weight in an apparatus claim. The system or housing of Harrison or Williams et al is capable of being positioning above a portion of a marine riser as recited.

Claim Rejections - 35 USC § 103

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

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5. Claims 89, 90 and 92-98 are rejected under 35 U.S.C. 103(a) as being unpatentable over the April 1998 Offshore Drilling with Light Weight Fluids Joint Industry Project Presentation (reference II on PTO-1449 filed 5/7/2004) (herein after "Reference II) in view of Harrison (US 3,638,721) or vice versa.

Reference II discloses a method of drilling an offshore well with lightweight fluids. On page C-9, it discloses the use of a rotating head at the top of a riser without telescopic joint.

Reference II does not disclose the structure of the rotating head. Harrison '721 discloses a method and apparatus for drilling an offshore well from a floating vessel as that of Reference II. However, Harrison teaches using a rotating head 22 including a housing 42 that rotatably supports a removable seal member 40 and has an opening 60 for returning drilling fluid to the floating vessel through a flexible pipe 35. The rotatable seal member 40 is movable with an inner member 41 to sealably engage a rotatable drill string. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use of a rotating head having a structure as claimed in the Reference II in view of the teaching of Harrison.

Alternatively, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use a riser in Harrison and locate the rotating head 22 above the riser as claimed in view of the teaching of Reference II.

With respect to claims 89 and 92, the "inner member", "radially outwardly disposed outer member", "bearings", "seal" and "housing" as recited do not distinguish from elements (41), (43), (44a), (40) and (42) respectively of the rotating control head of Harrison. It is noted that the uppermost portion of bearing element 41 is located radially inward of the radially outer portion of retainer plate 43.

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As further for claim 89, it is noted none of the bearings 44a that are introduced in line 8 are in contact with the housing 42 as recited in lines 11-12.

6. Claims 43, 44, 48-54, 56-61, 64-68, 70-78, 88 and 91 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reference II in view of Harrison '721 or vice versa as applied to claims 89, 90 and 92-98 above, and further in view of Leach (US 4,813,495).

Reference II, as modified by Harrison (or vice versa), discloses the invention as claimed except that the rotating head of Harrison does not include a "pressure relief mechanism". Leach teaches providing a rotating head with a pressure relief mechanism to permit the drilling mud returns to be dumped in the event of an emergency (column 3, lines 30-35). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the rotating head of Reference II as modified by Harrison or vice versa with a pressure relief mechanism in view of the teaching of Leach for the advantage pointed out above.

As for claims 66, 67, 71, 72 and 90, Leach also teaches providing valves 52, 54 & 58 to the rotating head so that the flow of mud returns can be effectively controlled (column 3, lines 12-16).

7. Claims 44, 73, 75 and 77 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reference II in view of Harrison '721 or vice versa as applied to claims 89, 90 and 92-98 above, and further in view of Leach (US 4,813,495) as applied to claims 43, 44, 48-54, 56-61, 64-68, 70-78, 88 and 91 above, and further in view of Streich et al (US 5,314,015).

The pressure relief mechanism 59 of Leach is not disclosed as a rupture disk. However, it is well known in the art to use a rupture disk to relieve pressure because of its simplicity as evidenced by Streich et al (see column 17, lines 12-16). To provide Reference II as modified by

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Harrison or vice versa and Leach with a pressure relief means 59 in the form of a rupture disk would have been obvious in view of the teaching of Streich et al for the advantage pointed out above.

8. Claim 46, 89, 92 and 98 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reference II in view of Williams et al (US 5,662,181) or Murray et al (US 4,175,186).

Reference II discloses a method of drilling an offshore well with lightweight fluids. On page C-9, it discloses the use of a rotating head at the top of a riser without telescopic joint.

Reference II does not disclose the structure of the rotating head. However, either Williams et al '181 (see figure 3) or Murray et al '186 (see figures 1-7) disclose a rotating head including a housing that rotatably supports a removable assembly that includes an inner member, a radially outwardly disposed outer member, a plurality of bearings interposed between the inner and outer members in order to facilitate removably mounting the bearing assembly in the housing while drilling or servicing the well (column 2, lines 36-42 in Williams et al or column 6, lines 1-4 in Murray et al). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use of a rotating head having a structure as claimed in the Reference II in view of the teaching of Williams et al for the advantages pointed out above.

Double Patenting

9. Claims 43, 44, 48-54, 56-61, 64-68, 70-78 and 88 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-34 of U.S. Patent No. 6,913,092 or claims 1-30 of U.S. Patent No. 6,263,982 in view of Leach (US 4,813,495). Leach teaches providing a rotating head with a pressure relief mechanism to permit

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returns to be dumped in the event of an emergency (column 3, lines 30-35). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the invention as defined by claims 1-34 of U.S. Patent No. 6,913,092 or claims 1-30 of U.S. Patent No. 6,263,982 with a pressure relief mechanism in view of the teaching of Leach for the advantage pointed out above.

- 10. Claims 89-98 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-34 of U.S. Patent No. 6,913,092 or claims 1-30 of U.S. Patent No. 6,263,982. Although the conflicting claims are not identical, they are not patentably distinct from each other because claims 89-98 are broader and therefore read on the invention as defined by claims 1-34 of U.S. Patent No. 6,913,092 or claims 1-30 of U.S. Patent No. 6,263,982.
- 11. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., In re Berg, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); In re Goodman, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); In re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

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Drawings

12. Figure 3A should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Conclusion

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang Dang whose telephone number is 571-272-7028. The examiner can normally be reached on 9:15-5:45 Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bagnell can be reached on 571-272-6999. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Hoang Dang Primary Examiner Art Unit 3672

PTO/S8/08A and /088 (07-05)

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Substitute form 1449A/PTO Complete if Known HINDS KMATION DISCLOSURE 10/807,091 **Application Number** March 23, 2004 STATEMENT BY APPLICANT Filing Date First Named Inventor Darryl A. Bourgoyne (Use as many sheets as necessary) **Group Art Unit** 3672 **Examiner Name** Hoang C. Dang Sheet of 6 1 65501.0050 Attorney Docket Number

			Ų. 8	. PATENT DOCUMENTS	
Examiner Initials*	Cite No.	Number-Kind-Code 2 Promite	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear
HD		US - 3,405,763	10-1968	Pitts, et al	r njures Appear
<u> </u>		US - 3.421.580	01-1969	Fowler, et al.	
		US - 3,443,643	05-13-1969	Marvin R. Jones	Col. 3, Ins. 53-63; Col. 4, Ins. 8-18' see 5S below
		US - 3,583,480	06-1971	John Regan	
		US - 3,638,721	02-01-1972	Otto R. Harrison	See 6/26/2001 IPER for PCT/GB00/00726; Fig. 2; see 5L, 5O, 5P, 5Q, 5R, 5T, 5U, 5V, 5W below
		US - 3,827,511	08-06-1974	Marvin R. Jones	See 5T, 5U, 5V, 5W below
		US - 3,847,215	11-1974	Herd	
		US - 3,924,678	12-1975	Ahlstone	
		US - 4,046,191	09-06-1977	Robert Arthur Neath	See 5U, 5V, 5W below
		US - 4,149,603	04-17-1979	James F. Amold	See 5U below
	_	US - 4,157,186	06-05-1979	Edwin G. Murray, et al.	See 5U, 5V below
		US - 4,313,054	01-1982	Richard M. Martini	
		US - 4,353,420	10-1982	Miller	
		US - 4,355,784	10-26-1982	Lester L. Cain	See 5U, 5V below
		US - 4,440,232	04-1984	Joseph L. LeMoine	
		US - 4,484,753	11-27-1984	Mammohan S. Kalsi	
		US - 4,509,405	04-1985	H. John Bates	
		US - 4,540,053	09-1985	Baugh, et al.	
\mathbf{W}		US - 4,597,448	07-01-1986	Benton F. Baugh	
HD '		US - 4,626,135	12-02-1986	Joseph R. Roche	See 11/29/2004 European Pat. Office Action for Application No. 00906522.8; see 7/22/2005 Norway Pat. Office Action of Application No. 20013952; See 8/26/2001 IPER for PCT/GB00/00726;

[Examiner	,	Date	1
- Lyammier	/Hoang Dang/ (09/17/2006)	Date	10/15/2006
Cinnatura	/Hoang Dang/ (09/17/2006)	Considered	10/13/2000
Signature	,	Considered	

document by the appropriate symbols as indicated on the document under wird scandard 31.10 ir possible. Applicant is to proceed the control of information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, propering, and submitting the completed application from to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestors for reducing this burder, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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554003.1/SPH/65501/0050/082206

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Or will be through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
*Applicant's unique distant designation number (optional). *See Kinds Codes of USPTO Patent Documents at https://www.uspto.org/ or MPEP 901.04. *Penter Office that issued the document, by the two-letter code (WIPO Standard ST.). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Nand of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 If possible. *Applicant is to place a check mark here if English language Translation is

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Substitute for form 1449A/PTO				Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/807,091			
		Filing Date	March 23, 2004			
		First Named Inventor	Darryl A. Bourgoyne			
		Group Art Unit	3672			
				Examiner Name	Hoang C. Dang	
Sheet	2	of	6	Attorney Docket Number	65501.0050	

U.S. PATENT DOCUMENTS							
				see 5A 5G, 5I, 5J, 5L, 5M, 5O, 5P, 5Q below			
HD	US - 4,736,799	04-1988	Ahistone				
	US 4,813,495	03-21-1989	Colin P. Leach	See 11/1/2004 Norway Patent Office Action for Patent Application No. 20003950; see 5T below			
	US - 4,832,126	05-23-1989	Joseph R. Roche				
	US - 5,163,514	11-17-1992	Charles E. Jennings	See Col. 1, Lns. 44-51; Col. 2, In. 62 to Col. 3, In. 57; and Figs 1 & 2; see 58 below			
	US - 5,195,754	03-23-1993	Lannie Dietie				
	US - 5,230,520	07-27-1993					
	US - 5,251,869	12-12-1993	Benny M. Mason				
	US - 5,325,925	07-1994	Smith, et al.				
	US - 5,348,107	09-1994	Thomas F. Bailey, et al.				
	US - 5,607,019	03-1997	Kent				
	US - 5,662,171	09-02-1997	James D. Brugman, et al.				
	US - 5,662,181	09-02-1997		See YYYY, 5L, 5M, 5N, 5O, 5P, 5Q, 5U, 5V, 5X below; the whole document			
	US - 5,671,812	09-1997	Bridges				
	US - 5,678,829	10-21-1997	Mammohan S. Kalsi, et al.	·			
	US - 5,738,358	04-14-1998	Mammohan S. Kalsi, et al.				
	US - 5,823,541	10-20-1998	Lannie Dietie, et al.				
	US - 5,873,576	02-23-1999	Lannie Deitle, et al.				
	US - 5,944,111	08-1999	Bridges				
	US - 6,007,105	12-28-1999	Lannie Dietle, et al.				
	US - 6,016,880	01-2000	Hall, et al.				
	US - 6,036,192	03-14-2000	Lannie Deitle, et al.				
	US - 6,102,673	08-2000	Mott, et al.				
V	US - 6,109,348	08-2000	Caraway				
V	US - 6,109,618	08-29-2000	Lannie L. Dietle				
HD	US - 6,129,152	10-10-2000	Hosie, et al.	Col. 10, In. 22-Col. 12, In. 31; Figs. 1 & 2; see YYYY, 5X below			

Examiner Signature	/Hoang Dang/ (09/17/2006)	Date 10/15 Considered	/2006

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*Applicant's unique citation designation number (optional). *See kinds Codes of USPTO Patent Documents at https://www.uscon.gog/ or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3) *For Apparets patent documents, the indication of the year of the reign of the Emperor must precode the serial number of the patent document. **Bond of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. **Applicant is to piece a check mark here if English language Translation is

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STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	March 23, 2004			
		First Named Inventor	Darryl A. Bourgoyne			
				Group Art Unit	3672	
				Examiner Name	Hoang C. Dang	
Sheet	3	of	6	Attorney Docket Number	65501.0050	4

		U.	S. PATENT DOCUMENTS	
-	US – 6,138,774	10-31-2000	Adam T. Bourgoyne, Jr., et al.	See Figs & claims 1-3, noting bearing assembly 60 located in subsea apparatus above a borehole; see 5C, 5F below
HD	US - 6,202,745	03-2001	Reimert, et al.	
	US - 6,227,547	05-08-2001	Lannie Dietle, et al.	
	US - 6,230,824	05-2001	Peterman, et al.	
	US - 6,354,385	03-12-2002	Ford, et al.	
	US - 6,457,529	10-01-2002	lan Douglas Calder, et al.	See 5X below
	US - 6,470,975	10-29-2002	Bourgoyne, et al.	See ZZZZ, 5C, 5X below
	US - 6,478,303	11-12-2002	Radcliffe	
	US - 6,547,002	04-15-2003	Bailey, Thomas F., et al.	See 5X below
	US - 6,554,016	04-29-2003	Joseph Kinder	
	US - 6,702,012	07-03-2003	Bailey, Thomas F., et al.	See 5X below
	US - 6,732,804	05-2004	Hosle, et al.	
	US - 6,749,172 B2	06-15-2004	Joseph Kinder	
	US - 6,843,313	12-13-2001	Hult	
	US - 6,913,092	07-2005	Darryl Bourgoyne	
	US - 7,004,444	02-28-2006	Joseph Kinder	
	US - 7,040,394	05-06-2004	Bailey, Thomas F., et al.	Figs. 1, 7a, 7b, 8; see YYYY, 5X below
	US - 7,080,685 B2	01-06-2005	Bailey, Thomas F., et al.	Sec 5X below
	US - 2001-0050185	12-13-2001	lan Douglas Calder	Pg. 2, In. 15, ¶17-In. 24; Fig. 2; see YYYY, ZZZZ below
	US - 2003/0102136	06-05-2003	Nelson, et al.	
	US - 2003/0106712-A1	06-12-2003	Darryl Bourgoyne	
-	US - 2004/0238175	12-2004	Wade, et al.	
	US - 2005/241833 A1	03-11-2005	Thomas F. Bailey	
1/	US - 2005/0151107	07-14-2005	Shu	
♥ i	US - 2006/0102387 A1		Darryl A. Bourgoyne, et al.	
HD	US - 2006/0108119A1	05-25-2006	Thomas F. Balley, et al.	See 5X below

(Fugginian)			
Examiner	(Hoone Bone) (00/12/0006)	Date	
Signature	/Hoang Dang/ (09/17/2006)		10/15/2006
Signature		Considered	20/20/2000

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Substitute for form 1449A/PTO	Complete If Known			
INFORMATION DISCLOSURE	Application Number	10/807,091		
STATEMENT BY APPLICANT	Filing Date	March 23, 2004		
(Use as many sheets as necessary)	First Named Inventor	Darryl A. Bourgoyne		
	Group Art Unit	3672		
	Examiner Name	Hoang C. Dang		
Sheet 4 of 6	Attorney Docket Number	65501.0050		

					FOREIGN P	ATENT DOCUMENTS		_
Examir Initials		Forek	Foreign Patent Document		Publication Date	Name of Patentes or	Pages, Columns, Lines, Where Relevant	
	NO.	No.1 Country Code 1 - Number + Kind Code 10 towns		MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear		
HD		CA	2363132	A1	09-08-2000	Darryl A. Bourgoyne, et al.	See US - 6,470,975	-
		CA	2447196	A1	04-30-2004	Thomas F. Bailey, et al.	See US - 7,040,394	_
·	_	GB	2394741	A	05-05-2004	Thomas F. Bailey, et al.	See US - 7,040,394	
		EP	0290250	A2	11-09-1988	Conoco, Inc.	Col. 5, Ins. 1-65; Fig. 2; see 5B below and US - 4,813,495	
		EP	0290250	A3	11-09-1988	Conaco, Inc.	See attached European Search Report for Appln. EP 88 30 4057 completed 08-22- 1989 and US – 4,813,495	_
		AU	199927822	B2	09-10-1999	Williams Tool Co., Inc.	See US - 6,138,774	_
		AU	200028183	A1	09-08-2000	Weatherford/Lamb, Inc.	See US - 6.470.975	
	_	AU	200028183	B2	09-08-2000	Weatherford/Lamb, Inc.	See US - 6,470,975	
		GB	2,067,235	Α	07-1981	Diehl		_
		EΡ	267,140	B1	03-31-1993	Galle, et al.		
٠		PCT	WO99/5052	4 A2	10-07-1999	Mott, et al.		_
		PCT	WO99/518	52 A1	10-14-1999	Bridges, et al.		_
W		PCT	WO99/505	24 A3	10-07-1999	Mott, et al.		_
ĦD		PCT	WO00/522	99 A	09-08-2000	Don M. Hannegan, et al.	See Figs. & claims, noting housing 14 and bearing assembly 28; see ZZZZ, 5C below; see US - 6,470,975	

Examiner Signature	/Hoang Dang/ (09/17/2006)	Date Considered	10/15/2006	
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'Applicant's unique citation designation number (aptional). 'See Kinds Codes of USPTO Patent Documents at https://www.usena.org or MPEP 901.04. 'Enter Office that issued the document, by the bro-letter code (WIPO Standard ST.3). 'For Japanese patent document, by the bro-letter code (WIPO Standard ST.16 if possible. "Applicant is to place a check mark here if English language Translation is another."

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Substitute for form 1449A/PTO	Complete if Known	
INFORMATION DISCLOSURE	Application Number	10/807,091
STATEMENT BY APPLICANT	Filing Date	March 23, 2004
(Use as many sheets as necessary)	First Named Inventor	Darryl A. Bourgoyne
•	Group Art Unit	3672
	Examiner Name	Hoang C. Dang
Sheet 5 of 6	Attorney Docket Number	65501.0050

U.S. PATENT RELATED APPLICATIONS				
Exr initials	APPLICATION NO.	ATTY, DOCKET NO.	Status or Patentee	Date of Filing or Issue
•	60/079,641	09432/160001	Abandoned, but Priority Claimed in above U.S. Patent Nos. 6,230,824B1 and 6,102,673 and PCT WO 99/50524	03-27-1998
	60/122,530	055010.0022	Priority Claimed in U.S. Patent No. 6,470,975B1	03-02-1999

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS
Examiner Cite No. initials*		Include Name of first Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), volume-issue number(s), page(s), date (in Parentheses). If a book, also include publisher and city and/or county where published.
HD	XXXX	TANGEDAHL, M.J., et al. "Rotating Preventers: Technology for Better Well Control", World Oil, Gulf Publishing Company, Houston, TX, US, Vol. 213, No. 10, 10/1992, (1992-10-01) numbered pages 63-64 and 66 (3 pages) XP 000288328 ISSN: 0043-8790 (see YYYY, 5X below)
	YYYY	
	ZZZZ	Netherlands Search Report for NL No. 1026044, dated 12/14/05 (3 pages)
	5A	Int'l. Search Report for PCT/GB 00/00731 corresponding to U.S. Patent No. 6,470,975 (6/16/00) (2 pages)
	5B	GB0324939.8 Examination Report corresponding to U.S. Patent No. 6,470,975 (3/21/06) (6 pages)
	5C	GB0324939.8 Examination Report corresponding to U.S. Patent No. 6,470,975 1/22/04) (3 pages)
	5D	2003/0106712 Family Lookup Report (6/15/06) (5 pages)
	5E	6,470,975 Family Lookup Report (6/15/06) (5 pages)
	5F	AU S/N 28183/00 Examination Report corresponding to U.S. Patent No. 6,470,975 (1 page) (9/9/2002)
V		NO S/N 20013953 Examination Report corresponding to U.S. Patent No. 6,470,975 w/one page of English translation (3 pages) (4/29/2003)
HD		NESSA; D.O. & Tangedahl, M.L. & Saponja, J.: PART 1: "Offshore underbalanced drilling system could revive field developments", World Oil, Vol. 218 No. 7, Cover Page, 3, 61-64 and 66 (July 1997); and PART 2: "Making this valuable reservior drilling/completion technique work on a conventional offshore drilling platform." World Oil, Vol. 218 No. 10, Cover Page, 3, 83, 84, 86 and 88 (October 1997) (see 5A, 5G above and 5l below)

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Examiner	/Hoang Dang/ (09/17/2006)	Date	30/5F/000C
	/Hoang Dang/ (09/17/2006)		10/15/2006
Signature	,, , , , , , , , , , , , , , ,	Considered	

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Substitute for form 1449A/PTO	Complete if Known		
INFORMATION DISCLOSURE	Application Number	10/807,091	
STATEMENT BY APPLICANT	Filing Date	March 23, 2004	
(Use as many sheets as necessary)	First Named Inventor	Darryl A. Bourgoyne	
	Group Art Unit	3672	
	Examiner Name	Hoang C. Dang	
Sheet 6 of 6	Attorney Docket Number	65501.0050	

<u> </u>		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS
HD	51	Int'l. Search Report for PCT/GB 00/00731 corresponding to U.S. Patent No. 6,470,975 (4 pages) (6/27/2000)
	5.1	Int'l. Preliminary Examination Report for PCT/GB 00/00731 corresponding to U.S. Patent No. 8,470,975 (7 pages) (12/14/2000)
,	5K	NL Examination Report for WO 00/52299 corresponding to this U.S. S/N 10/281,534 (3 pages) (12/19/2003)
	5L	AU S/N 28181/00 Examination Report corresponding to U.S. Patent No. 6,263,982 (1 page) (9/6/2002)
	5M	EU Examination Report for WO 00/906522.8-2315 corresponding to U.S. Patent No. 6,263,982 (4 pages) (11/29/2004)
	5N	NO S/N 20013952 Examination Report w/two pages of English translation corresponding to U.S. Patent No. 6,263,982 (4 pages) (7/22/2005)
	50	PCT/GB00/00726 Int'l. Preliminary Examination Report corresponding to U.S. Patent No. 6,263,982 (10 pages) (6/26/2001)
	5P	PCT/GB00/00726 Written Opinion corresponding to U.S. Patent No. 6,263,982 (7 pages) (12/18/2000)
	5Q	PCT/GB00/00726 International Search Report corresponding to U.S. Patent No. 6,263,982 (3 pages) (3/2/1999)
	5R	AU S/N 27822/99 Examination Report corresponding to U.S. Patent No. 6,138,774 (1 page) (10/15/2001)
	58	EU 99908371.0-1266-US9903888 European Search Report corresponding to U.S. Patent No. 6.138,774 (3 pages) (11/2/2004)
	5T	NO S/N 20003950 Examination Report w/one page of English translation corresponding to U.S. Patent No. 6,138,774 (3 pages) (11/1/2004)
	5U	PCT/US990/03888 Notice of Transmittal of International Search Report corresponding to U.S. Patent No. 6,138,774 (6 pages) (8/4/1999)
	5V	PCT/US99/03888 Written Opinion corresponding to U.S. Patent No. 6,138,744 (5 pages) (12/21/1999)
\underline{V}	5W	PCT/US99/03888 Notice of Transmittal of International Preliminary Examination Report corresponding to U.S. Patent No. 6,138,774 (15 pages) (6/12/2000)
HD	5X	EU Examination Report for 05270083.8-2315 corresponding to US 2006/0108119 A1 published 5/25/2006 (11 pages) (5/10/2006)

Examiner Signature	/Hoang Dang/	(09/17/2006)	Date Considered	10/15/2006	
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